First & Final Bill BRNo-176 24/3/2021

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBRNo-177 24/3/2021

No:

Date:

Division: **R.R Nagar**

Sub- Division: **R.R Nagar** , Electrical

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.

Name of Work (as per sanctioned estimate): **Providing Electrical Maintenance and Repair to BBMP Buildings and BBMP School in ward No.17 of RR Nagara Zone**

Name of Contractor and Full Address: **Sri. NINGEGOWDA M J, Prop. CHOWDESHWARI ELECTRICALS, No.31, 19th Main, 4th C Ross, Avalahalli New Extention Bangalore-560026**

Work order No : EE/ELE/RRN/W.O/32/2019-20, Dtd: 09-11-2019 **Budget Head:** **M & R to Electrical inst in BBMP Buildings, Schools, M.Homes, Community Halls, Markets and others**

Reference to Agreement : EE/ELE/RRN/AG/32/2019-20, Dtd:09-11-2019 **Job Code:017-19-000018**

Certified that the measurements were taken by me on 7/11/2020 and recorded of page nos 365469 to 365476 of measurement Book No: 3655 20.21 and that the work is satisfactorily executed.

For CHOWDESHWARI ELECTRICALS

Proprietor

Contractor

Officer in charge of work

Proforma Invoice - 273023-00
CGST @ 6% - 16381-00
SGST @ 6% - 16381-00

Certified that the measurements were checked by me on 07/11/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon and normal agreement signed and executed by the contractor is recorded in the office.

EE (Ele.)

Sub-division Officer

II Memorandum of Payment

1) Total value of work done or supplies as per account within — Gross Amt 3,05,786-00
2) Deduct amount to be held in re3serve being .....percent Rs.....
3) " Balance
4) Deduct payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....
      Amount adjusted towards cash advance recovery of
   b) Payments cost store or other material supplied.
      Now made recovery amount creditable to this/ other work
      Amount paid on this bill cheque/cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments
7) Net amount due to or from contractor
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within
   Value of Government materials supplied

Adjustments Details

IT	29,580-00
CGST	2730-00
SGST	2730-00
CSF	306-00
FSD	-
LC	3058-00
Security	7439-00
OTHERS	-
TOTAL	19311-00
NETT	2,86,475-00

For CHOWDESHWARI ELECTRICALS

Proprietor

Contractors Signature

Received Rs.....(in words)

.....

by cash and adjustment of payment as per memorandum.

Witnesses :

1.

2.

Dated .....Signature of contractor

Paid by me by cheque No.....Dated .....

Cash Rs.....Dated.....

For CHOWDESHWARI ELECTRICALS

Proprietor

Stamp

(For use in the office)

Passed for Rs. 3,25,786-00 Only

Nett Cheque Rs. 2,86,475-00 Only

Adjustment Rs. 19,311-00 Only

Rs in Words Two lakh Eighty Six thousand four hundred Seventy five only

Accts Supd.

EE(E)

Name of the Work: Providing Electrical Maintenance and repair to BBMP Buildings and BBMP School in ward 17, RR Nagar Zone.

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
1	Providing services of Clerk/computer operator/Dataentry operator/Tax collector/Electrician and other Skilled Workers.Skilled Electrician. Dept of labour No KAE 71 LWA 2015 Dtd:04/08/2016. (Per Person Per Month)	Month			2	13365.00	26730.00	2	26730.00
2	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required. 25mm (Item No. - 1.8.2)	Mtr			200	26.00	5200.00	200	5200.00
3a	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1sqmm	Mtr.			200	13.00	2600.00	200	2600.00
3b	1.5 sqmm	Mtr			400	18.60	7440.00	400	7440.00
3c	2.5 sqmm	Mtr			400	29.20	11680.00	400	11680.00
3d	4 sqmm	Mtr			800	42.10	33680.00	800	33680.00
4	Supplying and drawing PVC flexible copper wire of approved make in place of deteriorated wire. 23/0.0060"	Mtr			200	8.00	1600.00	200	1600.00
5	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A Stepped Fan Regulator.	Each			16	286.00	4576.00	16	4576.00
6a	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 6Amps SP Switch	No			75	35.00	2625.00	75	2625.00
6b	6Amps 2way Switch	No			10	49.00	490.00	10	490.00
6c	6Amps 3 way 5 pin Socket	No			10	53.00	530.00	10	530.00

AEE (Ele.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
6d	6Amps 3 pin Top	No			10	51.00	510.00	10	510.00
6e	6Amps Bakelite ceiling rose	No			25	43.00	1075.00	25	1075.00
6f	6 Amps lamp holder	No			15	48.00	720.00	15	720.00
6g	6 Amps bell push	No			5	48.00	240.00	5	240.00
6h	6 Amps bell buzzer	No			5	117.00	585.00	5	585.00
6i	16 Amps SP switch	No			5	89.00	445.00	5	445.00
6j	16 Amps 3 way 5 pin socket	No			5	94.00	470.00	5	470.00
6k	16 Amps 3 pin top	No			5	77.00	385.00	5	385.00
7	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts	No			42	1774.00	74508.00	42	74508.00
8	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. On wall / ceiling / Rafter / Girders	Each			42	98.00	4116.00	42	4116.00
9	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63Amps	Each			3	234.00	702.00	3	702.00
10a	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 10 module	Each			5	227.00	1135.00	5	1135.00
10b	12 module	each			5	267.00	1335.00	5	1335.00
11	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Each			25	88.00	2200.00	25	2200.00

AEE (Ele.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
12	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.12" Sweep (300mm)	Each			2	3654.00	7308.00	2	7308.00
13	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm) Regular model	Each			12	2376.00	28512.00	12	28512.00
14	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply. 300mm Sweep	Each			4	2424.00	9696.00	4	9696.00
15	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.	Each			16	237.00	3792.00	16	3792.00
16	Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts and 5 amps. ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire.	Each			2	412.00	824.00	2	824.00
17a	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (Item No. - 6.16) 5-32Amps SP	Each			16	418.00	6688.00	16	6688.00
17b	5-32 Amps DP	Each			8	849.00	6792.00	8	6792.00
17c	40-63 Amps	Each			3	1936.00	5808.00	3	5808.00

AEE (Elo.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
18	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (Item No. - 7.1)	No			3	2727.00	8181.00	3	8181.00
19	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws Ding Dong Bell	Each			2	200.00	400.00	2	400.00
20	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries. upto 4mfd	Each			6	104.00	624.00	6	624.00
21	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing. (Item No. - 16.4)1200MM	Each			8	630.00	5040.00	8	5040.00
22	Releasing the existing fan dismantling testing painting after removing the existing painting by scraping and cleaning (spray method) not less than 2 coats of approved make enamel paint to a ceiling fan and wiring and fixing of the same.	Each			8	278.00	2224.00	8	2224.00

AEE (Elec.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
23	Supply and fixing of heavy duty open construction ferromagnetic copper ballast for 20/40 watts fluorescent tubes.	Each			80	200.00	16000.00	80	16000.00
24	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place.	Each			60	30.00	1800.00	60	1800.00
25	Supplying and fixing/replacing of fluorescent tube. 18 to 40Watts	No			120	75.00	9000.00	120	9000.00
26	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp.	No			140	31.00	4340.00	140	4340.00
27	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder.	No			60	31.00	1860.00	60	1860.00
28	Supplying and fixing 6Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50Hz AC Supply.	No			6	613.00	3678.00	6	3678.00
29	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. A) 14 SWG	sqcm			75000	0.37	27750.00	75000	27750.00
30	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 3.5 core 35 sqmm	Mtr			60	204.00	12240.00	60	12240.00

AEE (Elec.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
31	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm	Mtr			60	10.80	648.00	60	648.00
32	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (hard)	Mtr			60	106.00	6360.00	60	6360.00
33	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 40mm	Mtr			8	345.00	2760.00	8	2760.00
34	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 35Sqmm	Each			1	362.00	362.00	1	362.00
35	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. Copper wire. 10 SWG	Each			40	69.30	2772.00	40	2772.00
36	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE a)100 amps 25KA	Each			1	5809.00	5809.00	1	5809.00
37	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 63 amps 4 pole	Each			1	3350.00	3350.00	1	3350.00

AEE (E

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
38	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Each			3	442.00	1326.00	3	1326.00
39	Supplying, fixing and wiring rotary selector switch suitable for Ammeter.	Each			1	172.00	172.00	1	172.00
40	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter.	Each			1	140.00	140.00	1	140.00
41	Supplying, fixing and wiring 0 to 600Volts 96x96mm AC Voltmeter on existing panel/wood board.	Each			1	390.00	390.00	1	390.00
42	Supplying, fixing and wiring 0 to 100amps Direct Reading AC analog type Ammeter	Each			1	452.00	452.00	1	452.00
43	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. a)100Amps 4x30x6mm Aluminum Strips	mtr			2	2135.00	4270.00	2	4270.00
44	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. A) 50x50x6mm	mtr			25	338.00	8450.00	25	8450.00
45	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting	mtr			105	88.00	9240.00	105	9240.00

AEE (ELE.)

Sl No	Description of Item	Unit	Previous Measure		Present Measurment			Total Up to	
			Qty	Cost	Qty	Rate	Cost	Qty	Cost
46	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No. - 4.5, Page No. 12) (2.19 cum/ foundation As per 2014-15 SR page no-42)	cum			0.6	5874.00	3524.00	0.6	3524.00
	Total						**398159.00**		**398159.00**
	Less tender Percentage -23.20% Below						**92373.00**		
	Total of Bill						**305786.00**		
	Scrap Value Total 2 To 46						**371429.00**		
Three Lakhs five thousand seven hundred eighty six only									

1.Certified that measurement were taken by me .
2.Work is executed satisfactorily.

	B)DEDUCTIONS								
	Deduction of 2% of total bill as per clause 35 (a) of tender notification on account of released scrap material						7429.00		7429.00

JE (C&A)

AEE (Elec.)